

$$= \begin{pmatrix} -\frac{\sqrt{2}}{2} & \frac{1}{2} \\ \frac{\sqrt{2}}{2} & \frac{1}{2} \end{pmatrix} \begin{pmatrix} \frac{1}{\sqrt{2}} & \frac{1}{\sqrt{2}} \\ \frac{1}{\sqrt{2}} & -\frac{1}{\sqrt{2}} \end{pmatrix} = \begin{pmatrix} -\frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{pmatrix}$$

## Abstract of Disclosure

A book, mainly used by children and students, consists of a book and a speech circuit. A printed circuit board containing press triggers is placed inside the cover of the book. A number of speech switches in the book correspond to the positions of pictures in the book. In the book, the speech circuit includes circuit for storage and sound emission, a speaker and a battery, all of which are in a box-like container linked with the book. When reading the book, press a picture in a page, the speech switch would be switched on. Based on preset programs and storage, the circuit for storage and sound emission enables the speaker to read aloud the language of the page, which may be Chinese or foreign languages, etc. Corresponding to the content of the book, the sound can be dialogue between animals. This makes learning a language easy and interesting.

## Figures